## ABSTRACT OF THE DISCLOSURE

The present invention provides a chimeric mouse/human antibody (ch-mAb6B5) for treatment of abuse and toxicity of the arylcyclohexylamines class of drugs (i.e., phencyclidine- or PCP-like drugs). This antibody comprises light and heavy chain PCP binding regions of mouse mAb6B5, coupled to the light and heavy chain constant regions of a human kappa $IgG_2$ or $IgG_4$ isoform. Also provided are the DNA and amino acid sequences of the chimeric light and heavy chain of this antibody. Further provided are data that demonstrate that the new chimeric antibody retains the high affinity and specificity of a previously generated mouse anti-PCP monoclonal antibody (mAb6B5) yet being minimally immunogenic since it has human immunoglobulin constant region. This new medication would allow safe and effective treatment of PCP drug overdose, decrease mortality, and reduce harmful effects due to excessive and prolonged PCP drug use.